FIG. 1

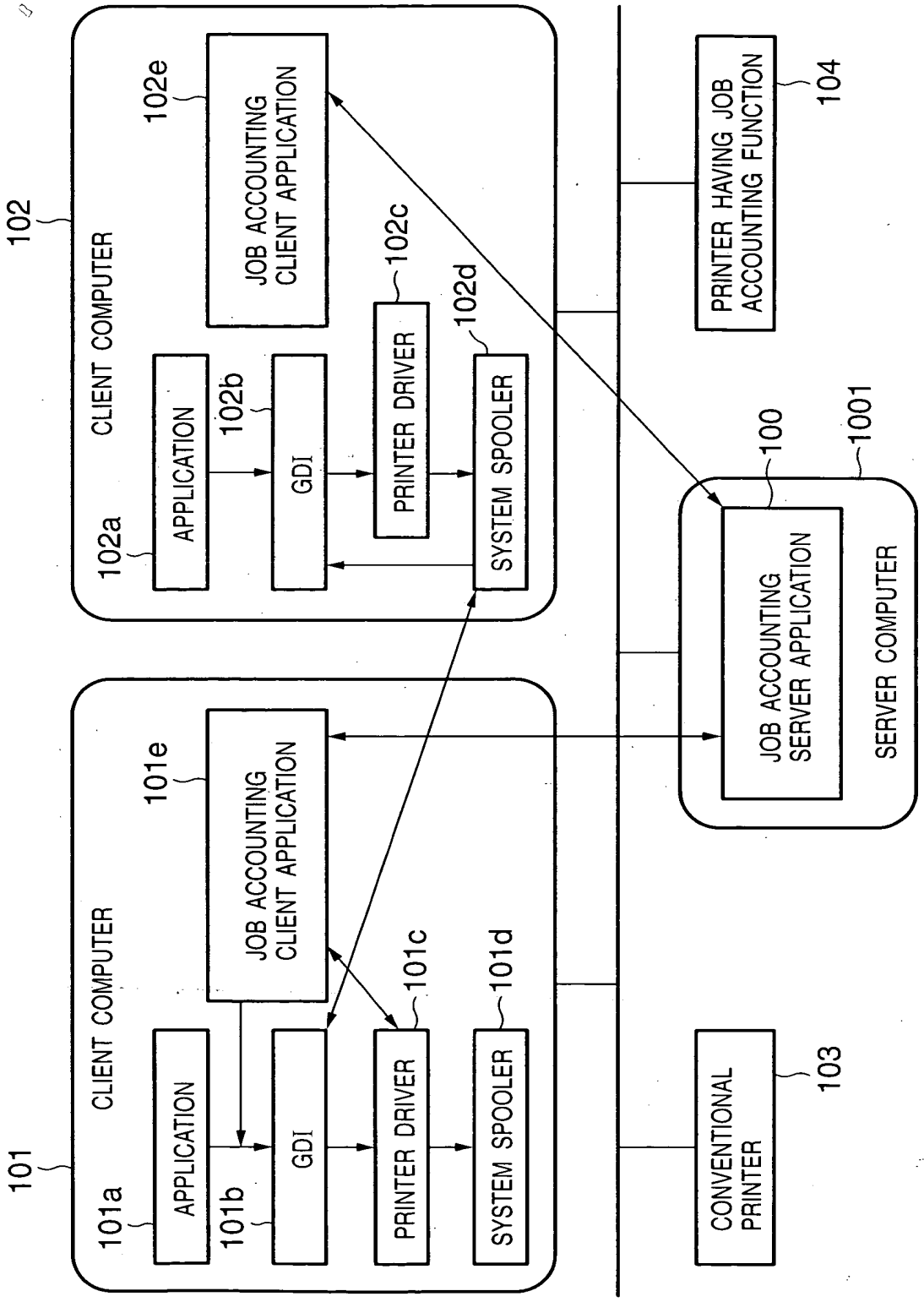
101
CLIENT COMPUTER
101a
APPLICATION
101b
GDI
PRINTER DRIVER
101c
SYSTEM SPOOLER
101d
JOB ACCOUNTING CLIENT APPLICATION
101e
102
CLIENT COMPUTER
102a
APPLICATION
102b
GDI
PRINTER DRIVER
102c
SYSTEM SPOOLER
102d
JOB ACCOUNTING CLIENT APPLICATION
102e
1001
SERVER COMPUTER
100
JOB ACCOUNTING SERVER APPLICATION
PRINTER HAVING JOB ACCOUNTING FUNCTION
104
CONVENTIONAL PRINTER
103

FIG. 2

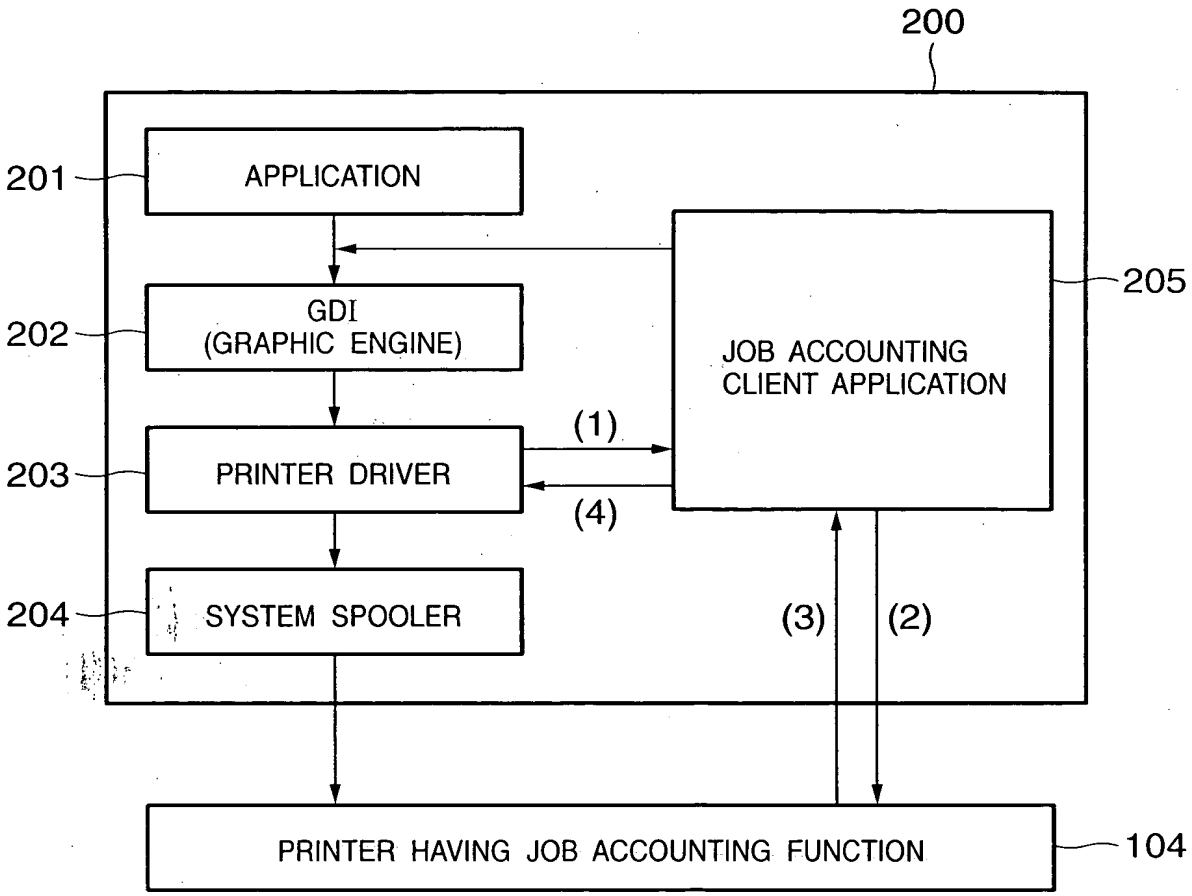
200
201
APPLICATION
202
GDI
(GRAPHIC ENGINE)
203
PRINTER DRIVER
204
SYSTEM SPOOLER
205
JOB ACCOUNTING
CLIENT APPLICATION
(1)
(4)
(3)
(2)
PRINTER HAVING JOB ACCOUNTING FUNCTION
104

FIG. 3

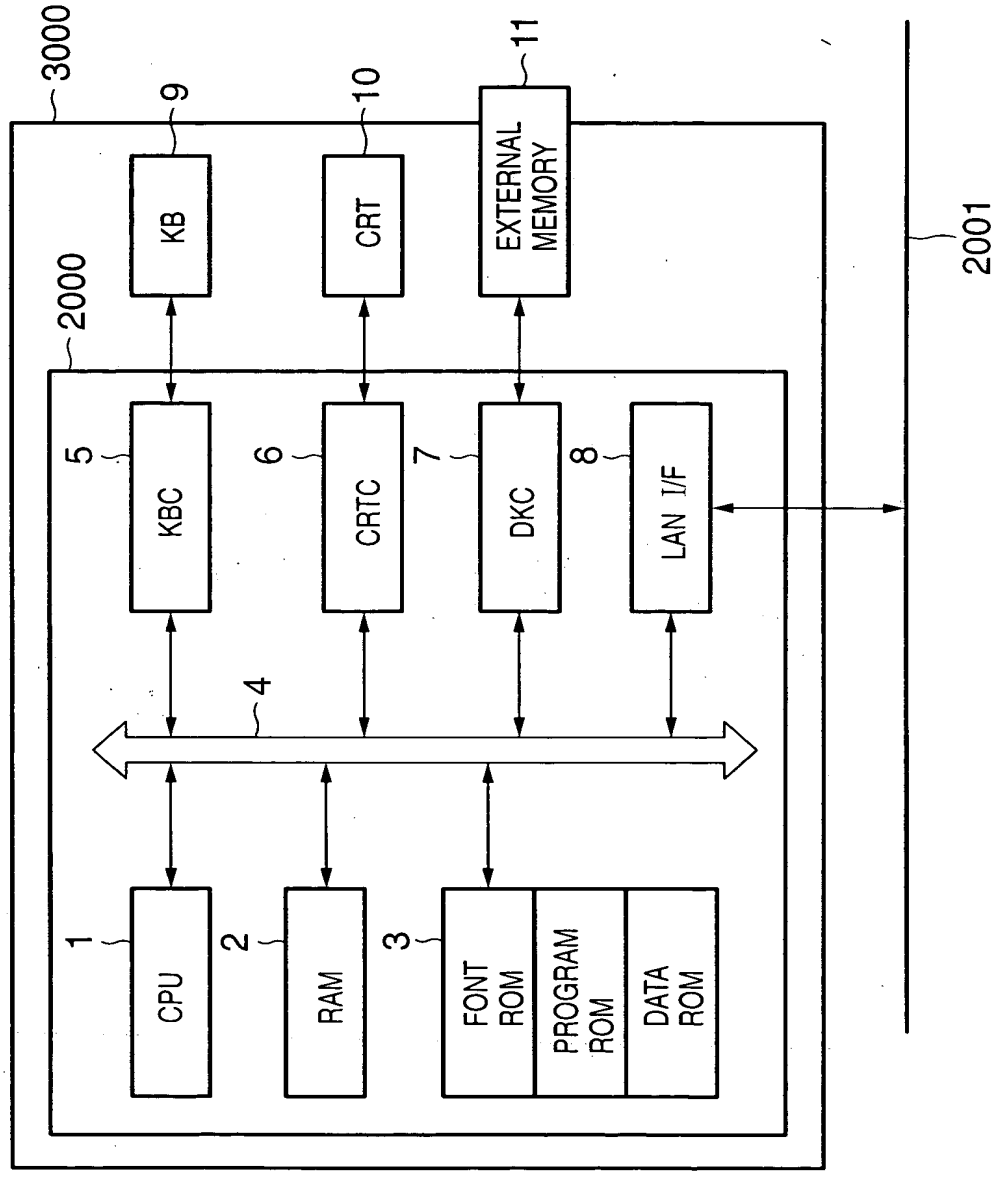
3000
2000
2001
9
KB
10
CRT
11
EXTERNAL MEMORY
5
KBC
6
CRTC
7
DKC
8
LAN I/F
4
1
CPU
2
RAM
3
FONT ROM
PROGRAM ROM
DATA ROM

FIG. 4

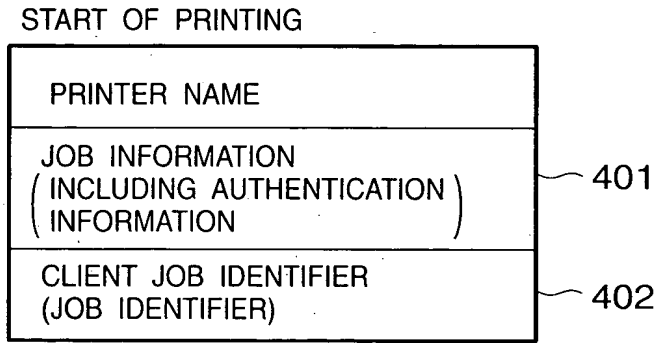
START OF PRINTING
PRINTER NAME
JOB INFORMATION
(INCLUDING AUTHENTICATION INFORMATION)
401
CLIENT JOB IDENTIFIER
(JOB IDENTIFIER)
402

FIG. 5

END OF PRINTING

PRINTER NAME	
API RETURN VALUE ISSUED AT START OF JOB	403
JOB INFORMATION (INCLUDING AUTHENTICATION INFORMATION)	401
SIZE INFORMATION	
VERSION INFORMATION	
TOTAL NUMBER OF SHEETS DISCHARGED FOR JOB	404
NUMBER OF DETAILED INFORMATION BLOCKS IN JOB	405
POINTER TO DETAILED INFORMATION (BLOCK 1)	
:	
POINTER TO DETAILED INFORMATION (BLOCK N)	
DOUBLE-/SINGLE-SIDE INFORMATION (BLOCK 1)	406
PAPER TYPE INFORMATION (BLOCK 1)	
PAPER SIZE INFORMATION (BLOCK 1)	
COLOR INFORMATION (BLOCK 1)	
INFORMATION ABOUT NUMBER OF PAGES PER SHEET (BLOCK 1)	
NUMBER OF COPIES (BLOCK 1)	
NUMBER OF SHEETS OUTPUT FOR THIS BLOCK (BLOCK 1)	
:	
DOUBLE-/SINGLE-SIDE INFORMATION (BLOCK N)	
PAPER TYPE INFORMATION (BLOCK N)	
PAPER SIZE INFORMATION (BLOCK N)	
COLOR INFORMATION (BLOCK N)	
INFORMATION ABOUT NUMBER OF PAGES PER SHEET (BLOCK N)	
NUMBER OF COPIES (BLOCK N)	
NUMBER OF SHEETS OUTPUT FOR THIS BLOCK (BLOCK N)	

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T052h0*h680h860

FIG. 6

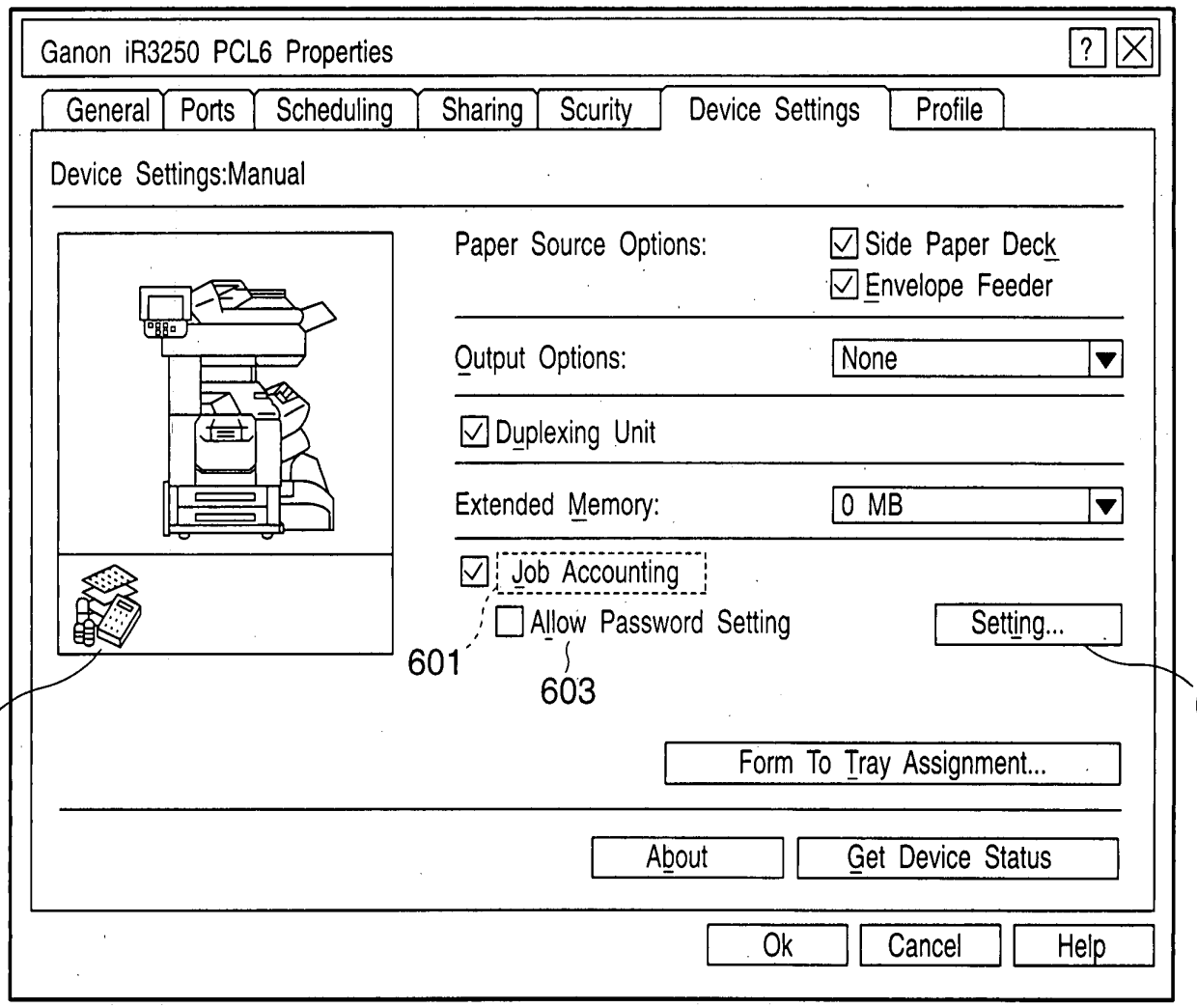

FIG. 7

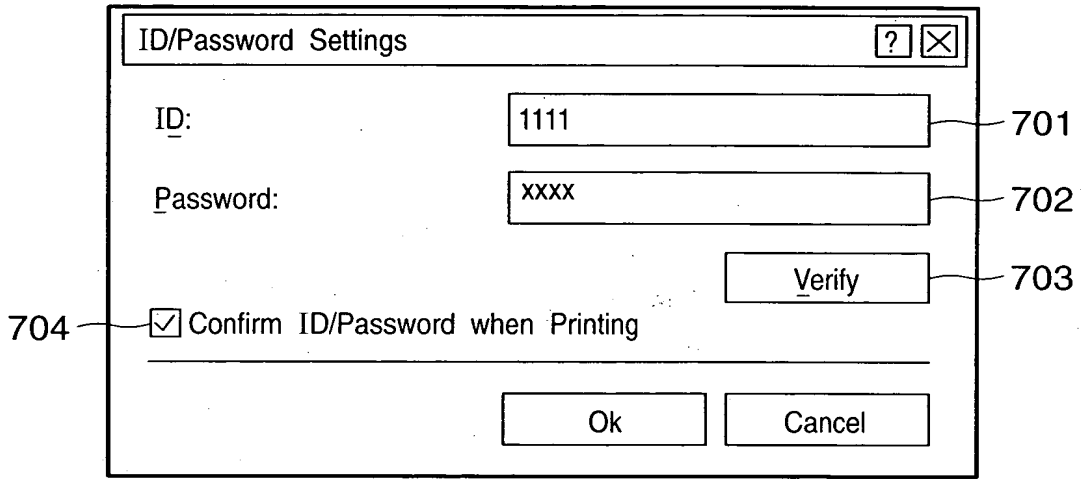
ID/Password Settings
ID:
1111
701
Password:
xxxx
702
Verify
703
704
Confirm ID/Password when Printing
Ok
Cancel

FIG. 8

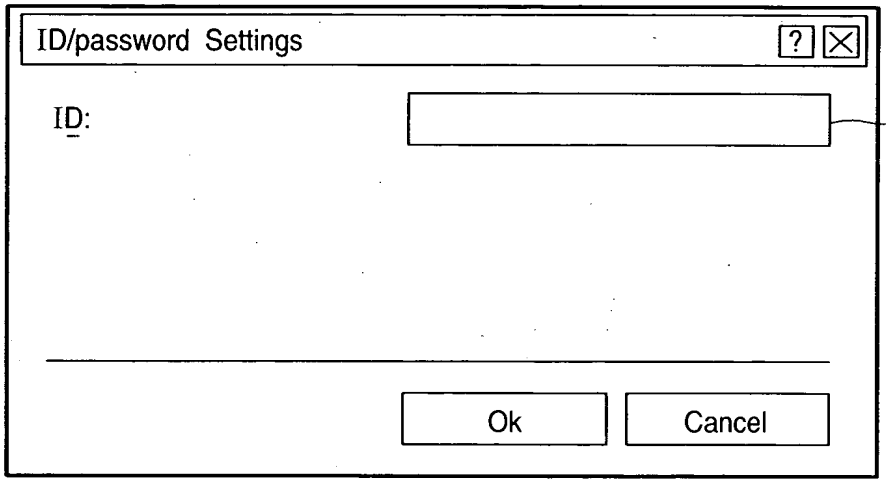

FIG. 9

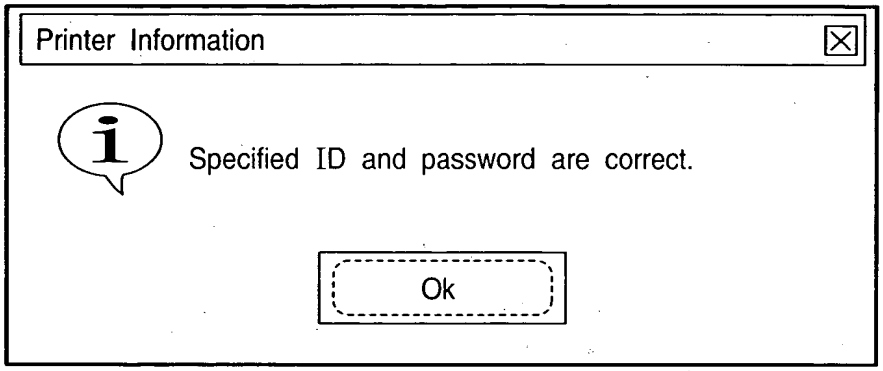

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FIG. 10

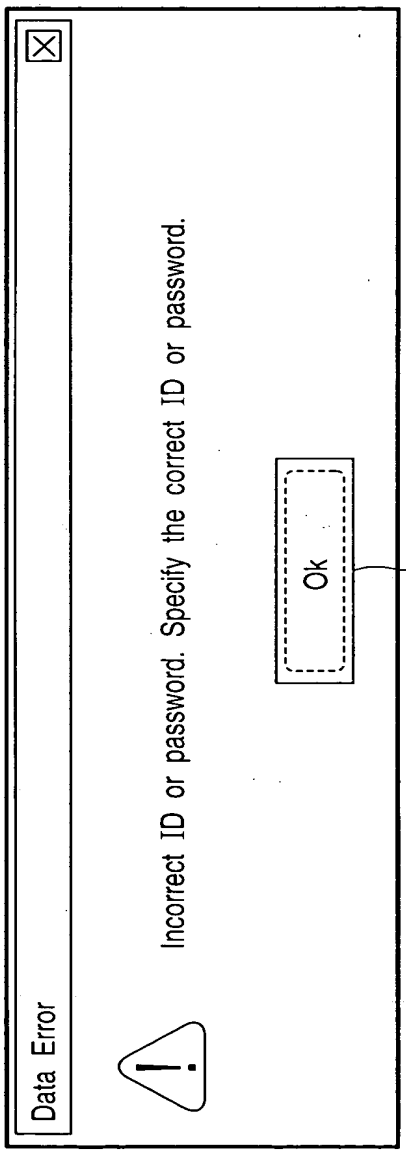

Data Error
Incorrect ID or password. Specify the correct ID or password.
Ok
1001

FIG. 11

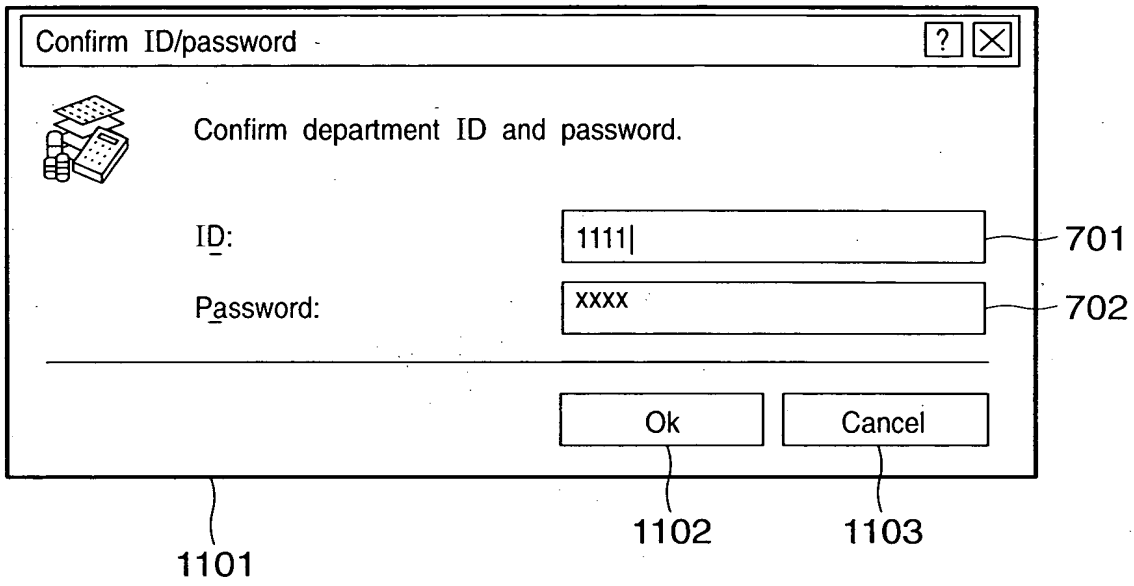
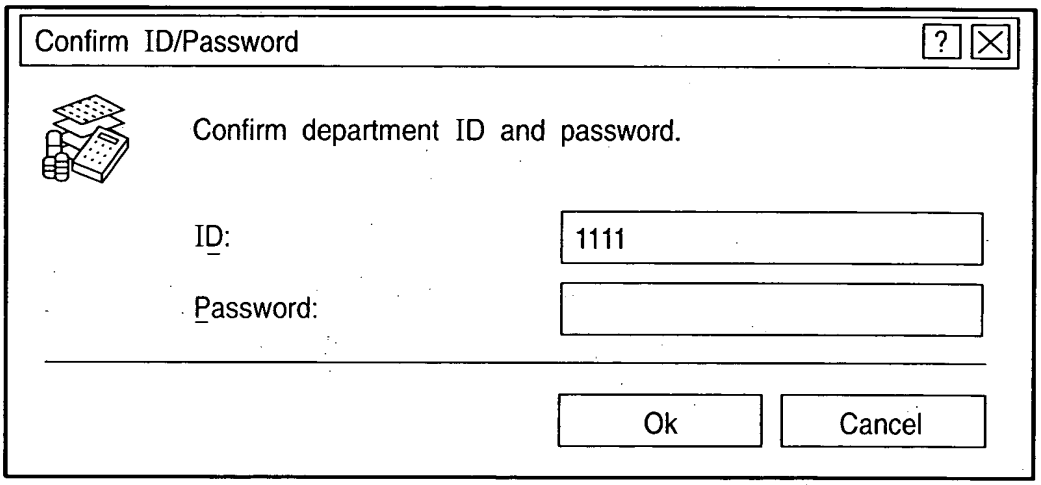

Confirm ID/password
Confirm department ID and password.
ID:
1111
Password:
xxxx
Ok
Cancel
701
702
1101
1102
1103

FIG. 12



TOSHIBA 0425 0894 0860

FIG. 13

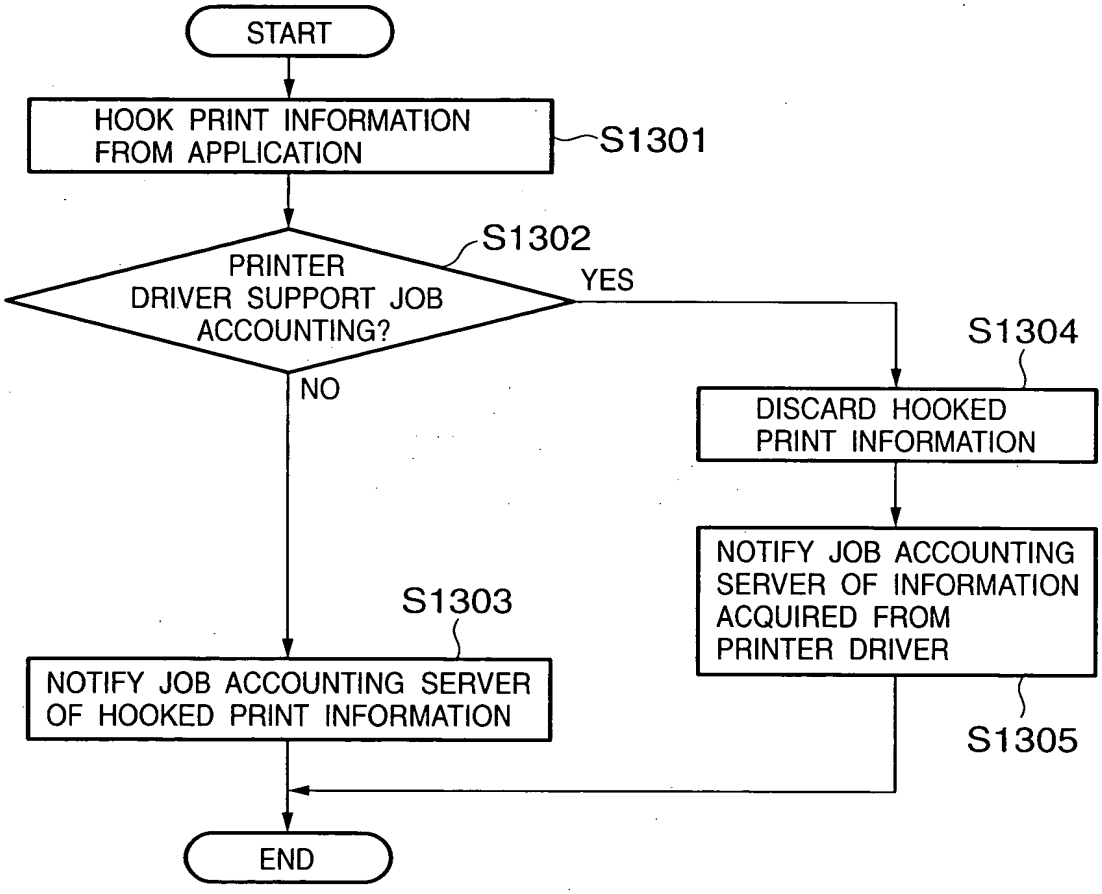


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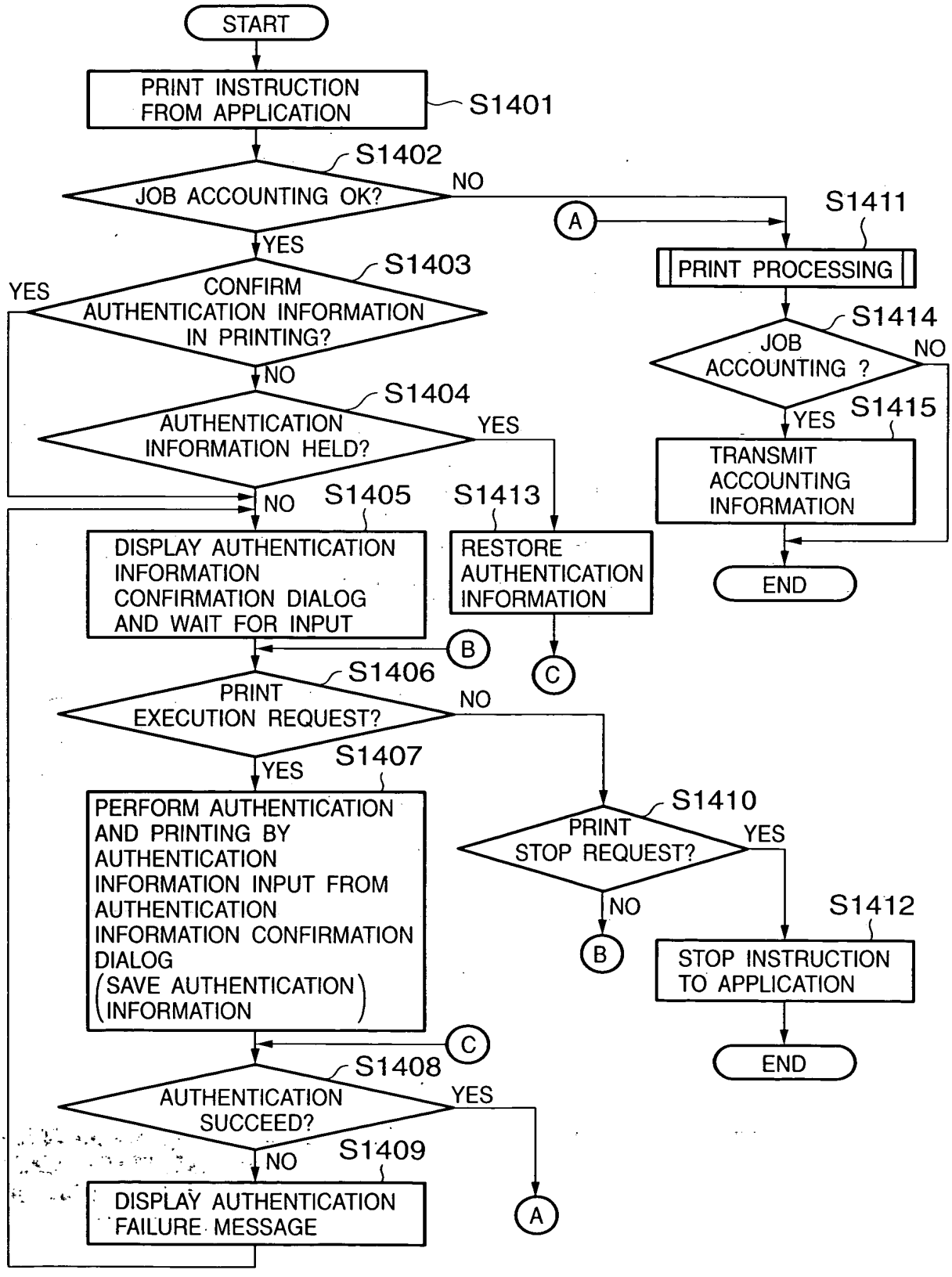
FIG. 14



FOSCHI-4680+860

FIG. 15

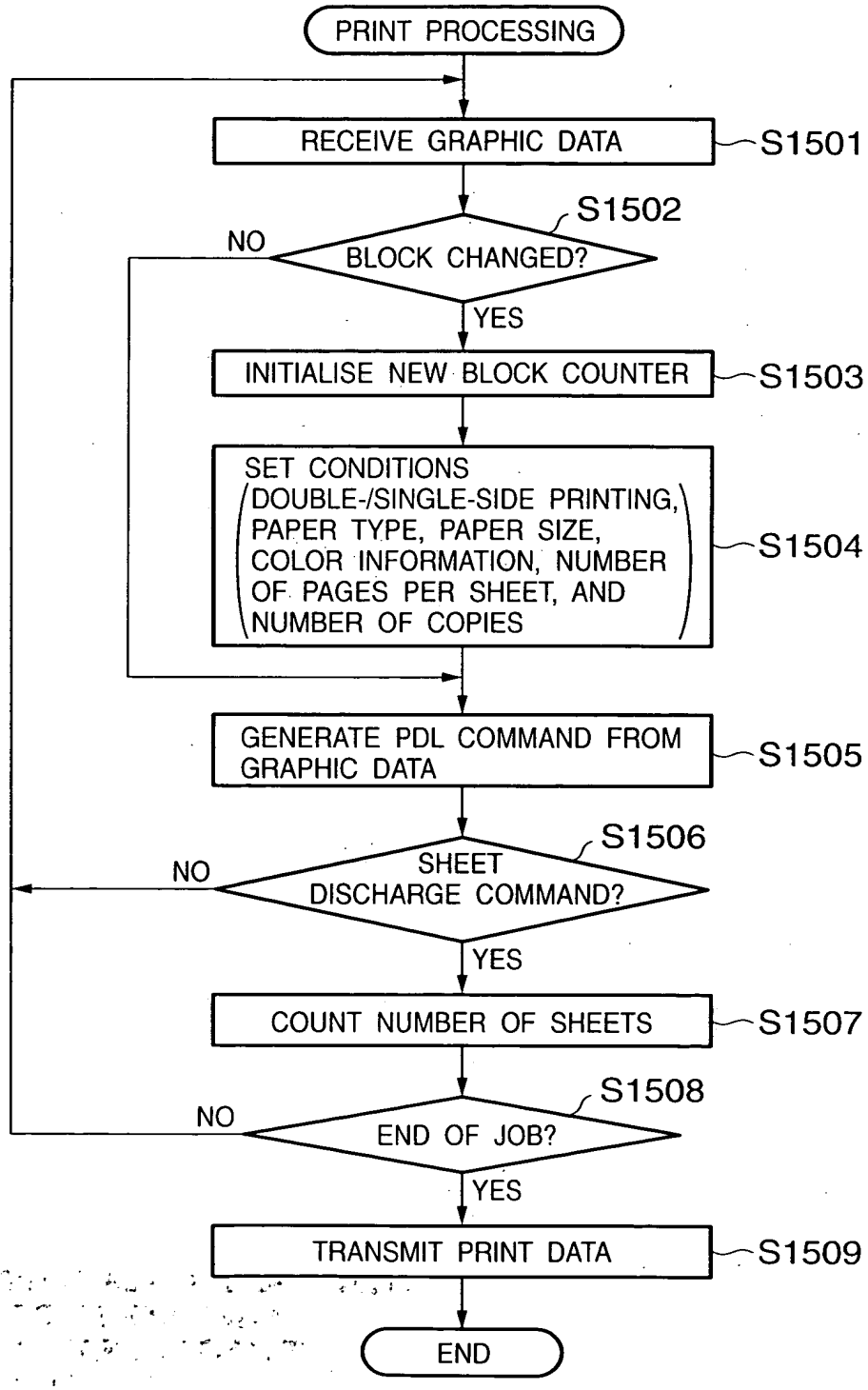

PRINT PROCESSING
RECEIVE GRAPHIC DATA
S1501
S1502
NO
BLOCK CHANGED?
YES
INITIALISE NEW BLOCK COUNTER
S1503
SET CONDITIONS (DOUBLE-/SINGLE-SIDE PRINTING, PAPER TYPE, PAPER SIZE, COLOR INFORMATION, NUMBER OF PAGES PER SHEET, AND NUMBER OF COPIES)
S1504
GENERATE PDL COMMAND FROM GRAPHIC DATA
S1505
S1506
NO
SHEET DISCHARGE COMMAND?
YES
COUNT NUMBER OF SHEETS
S1507
S1508
NO
END OF JOB?
YES
TRANSMIT PRINT DATA
S1509
END

FIG. 16

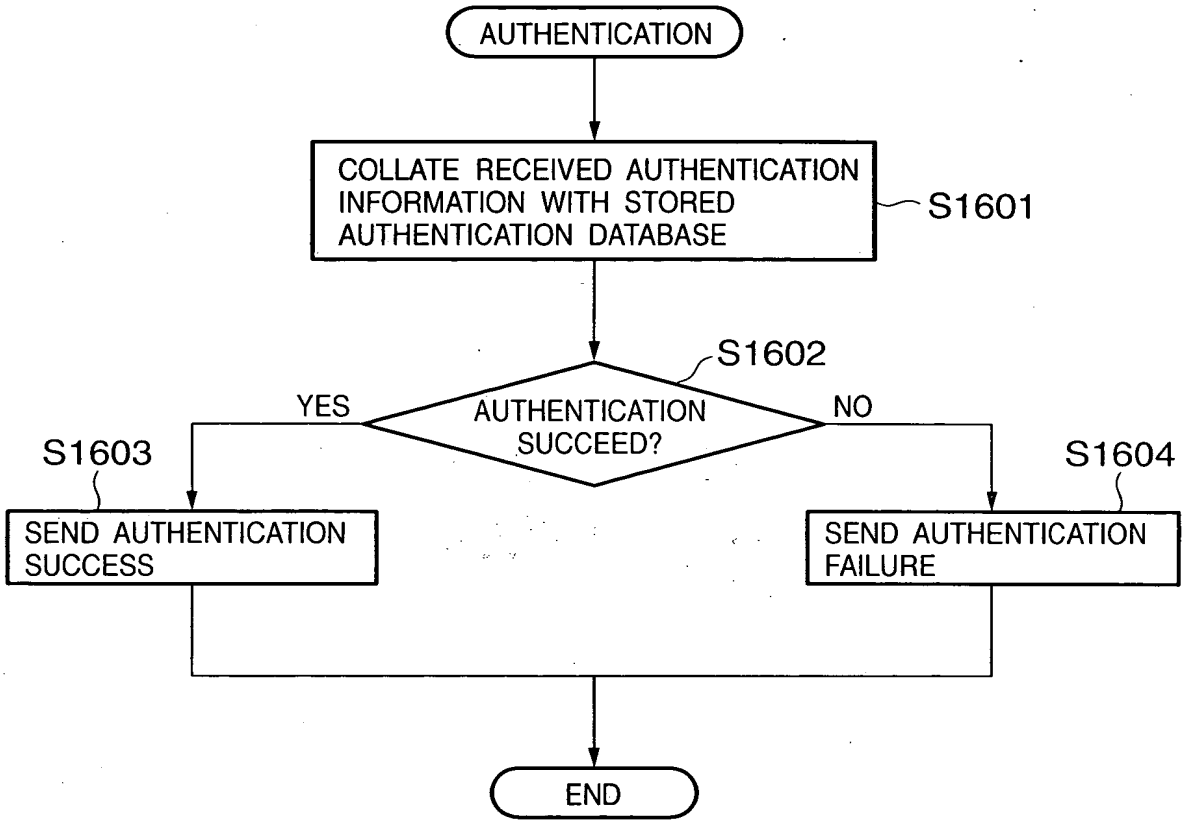

AUTHENTICATION
COLLATE RECEIVED AUTHENTICATION INFORMATION WITH STORED AUTHENTICATION DATABASE
S1601
S1602
AUTHENTICATION SUCCEED?
YES
NO
S1603
SEND AUTHENTICATION SUCCESS
S1604
SEND AUTHENTICATION FAILURE
END

FIG. 17

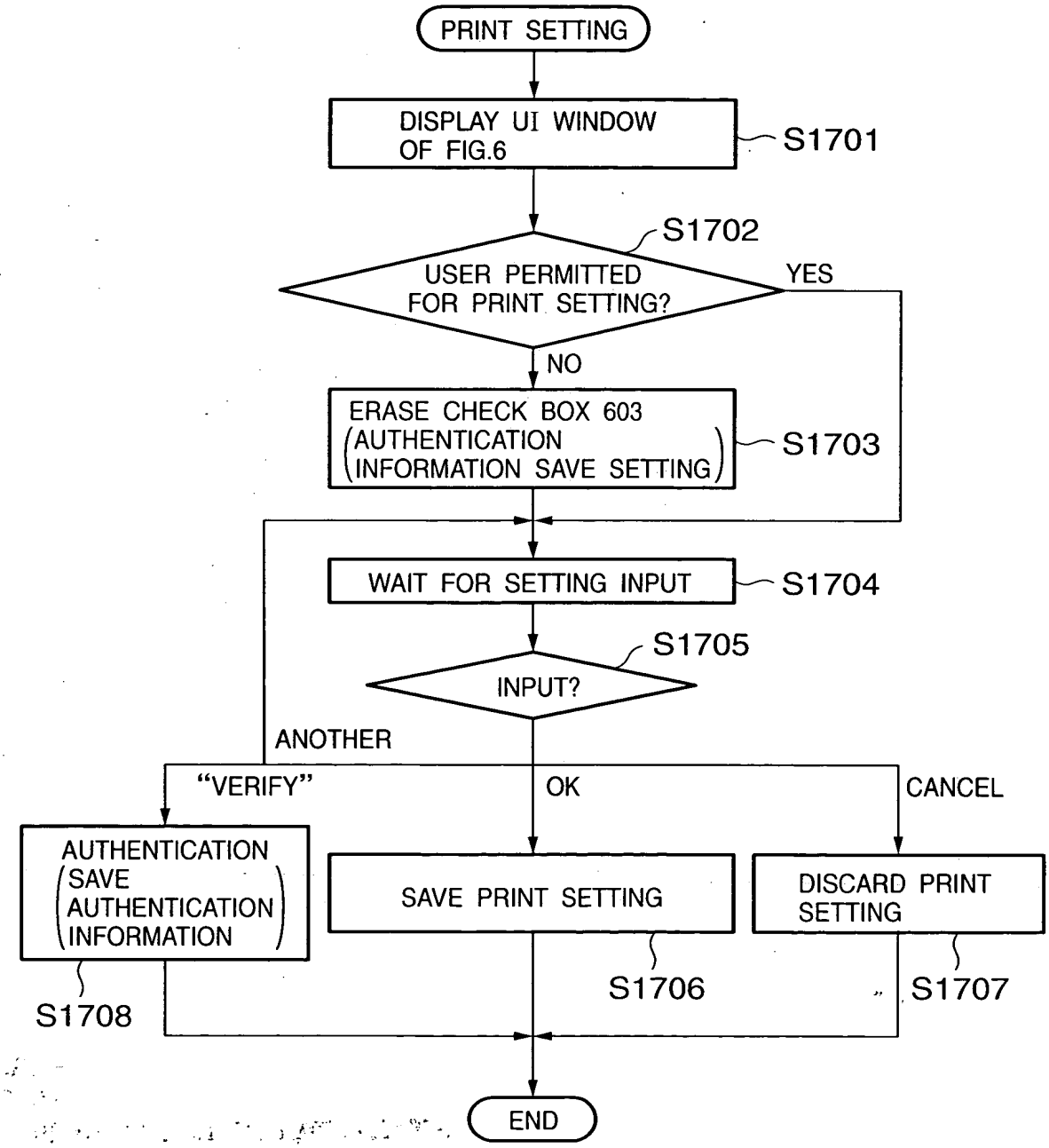

PRINT SETTING
DISPLAY UI WINDOW OF FIG.6
S1701
S1702
USER PERMITTED FOR PRINT SETTING?
YES
NO
ERASE CHECK BOX 603 (AUTHENTICATION INFORMATION SAVE SETTING)
S1703
WAIT FOR SETTING INPUT
S1704
S1705
INPUT?
ANOTHER
"VERIFY"
OK
CANCEL
AUTHENTICATION (SAVE AUTHENTICATION INFORMATION)
SAVE PRINT SETTING
DISCARD PRINT SETTING
S1708
S1706
S1707
END

FIG. 18

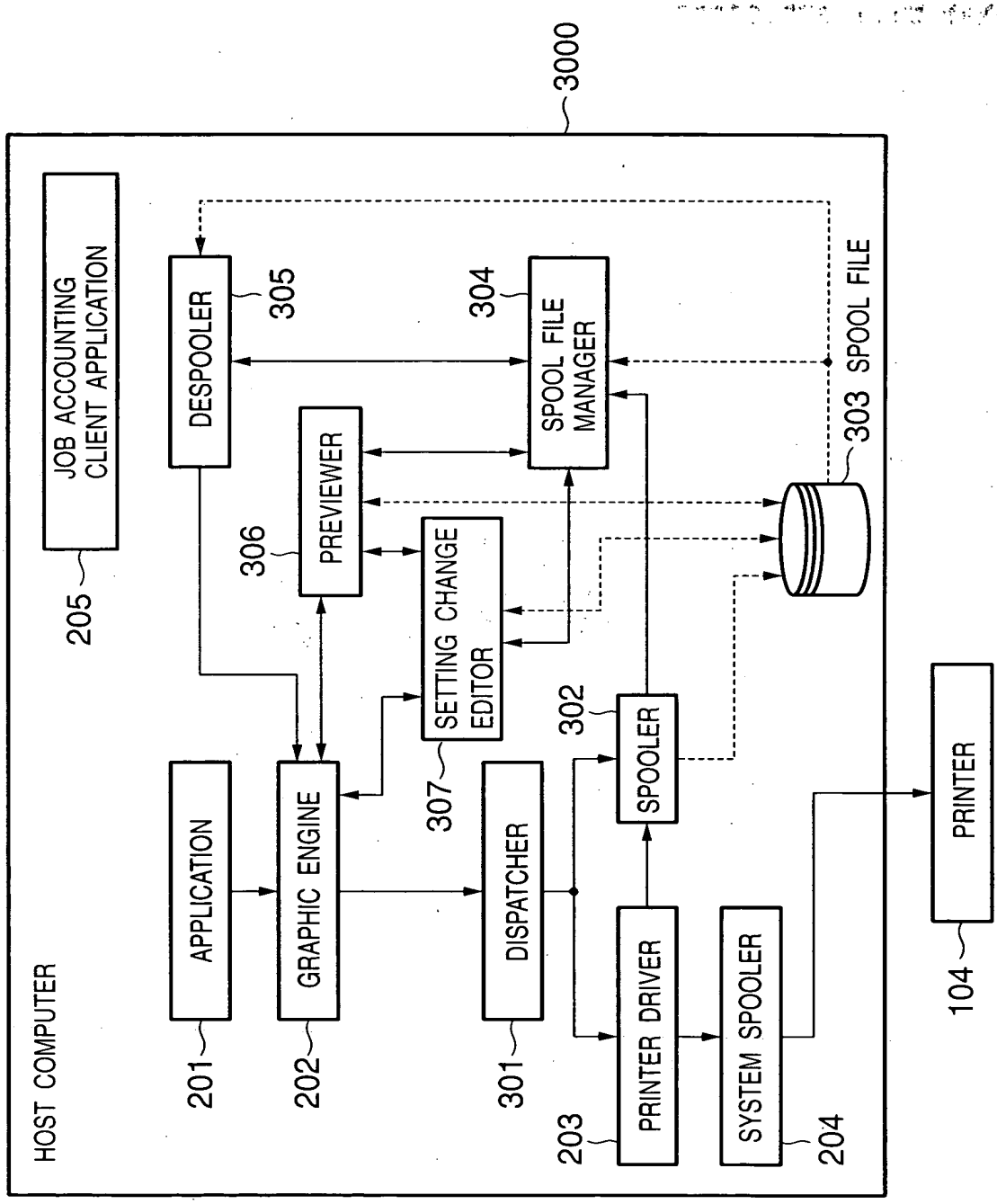

3000
HOST COMPUTER
JOB ACCOUNTING CLIENT APPLICATION
205
DESPOOLER
305
SPOOL FILE MANAGER
304
303 SPOOL FILE
PREVIEWER
306
SETTING CHANGE EDITOR
307
APPLICATION
201
GRAPHIC ENGINE
202
DISPATCHER
301
SPOOLER
302
PRINTER DRIVER
203
SYSTEM SPOOLER
204
PRINTER
104

FIG. 19

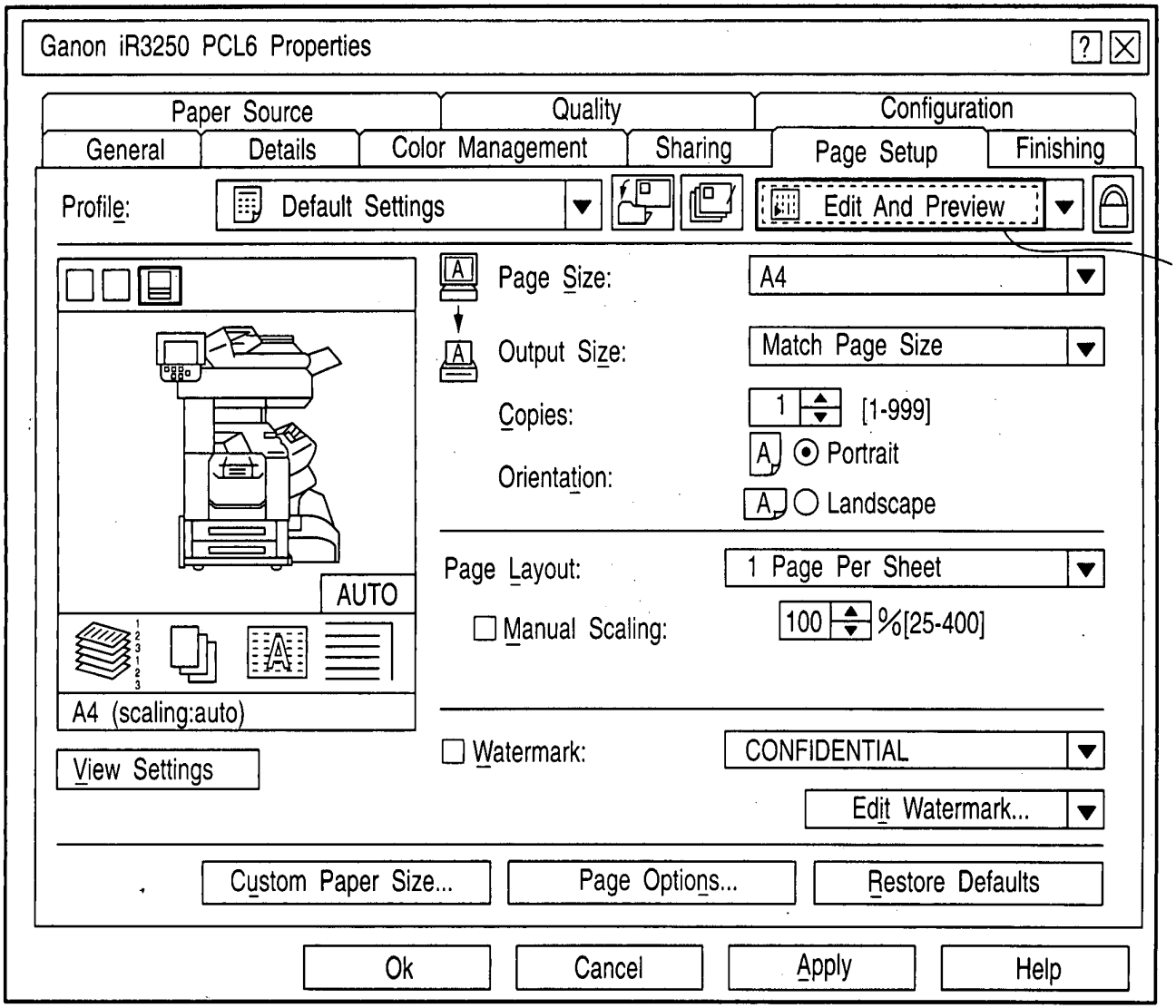

Ganon iR3250 PCL6 Properties
Paper Source
Quality
Configuration
General
Details
Color Management
Sharing
Page Setup
Finishing
Profile:
Default Settings
Edit And Preview
1901
Page Size:
A4
Output Size:
Match Page Size
Copies:
1
[1-999]
Orientation:
Portrait
Landscape
Page Layout:
1 Page Per Sheet
Manual Scaling:
100
%[25-400]
AUTO
A4 (scaling:auto)
View Settings
Watermark:
CONFIDENTIAL
Edit Watermark...
Custom Paper Size...
Page Options...
Restore Defaults
Ok
Cancel
Apply
Help

FIG. 20

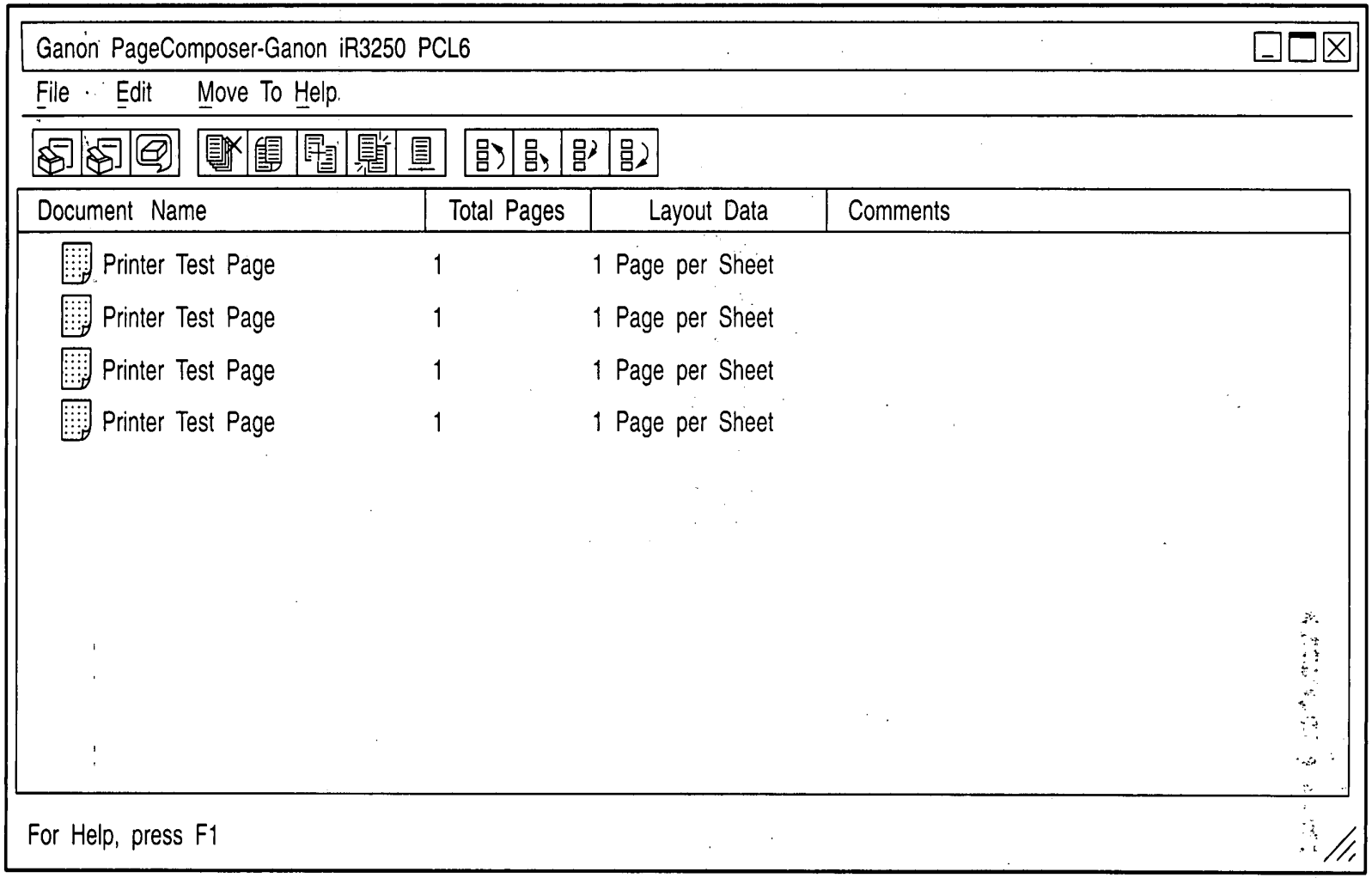

Ganon PageComposer-Ganon iR3250 PCL6
File Edit Move To Help
Document Name
Total Pages
Layout Data
Comments
Printer Test Page 1 1 Page per Sheet
Printer Test Page 1 1 Page per Sheet
Printer Test Page 1 1 Page per Sheet
Printer Test Page 1 1 Page per Sheet
For Help, press F1

FIG. 21

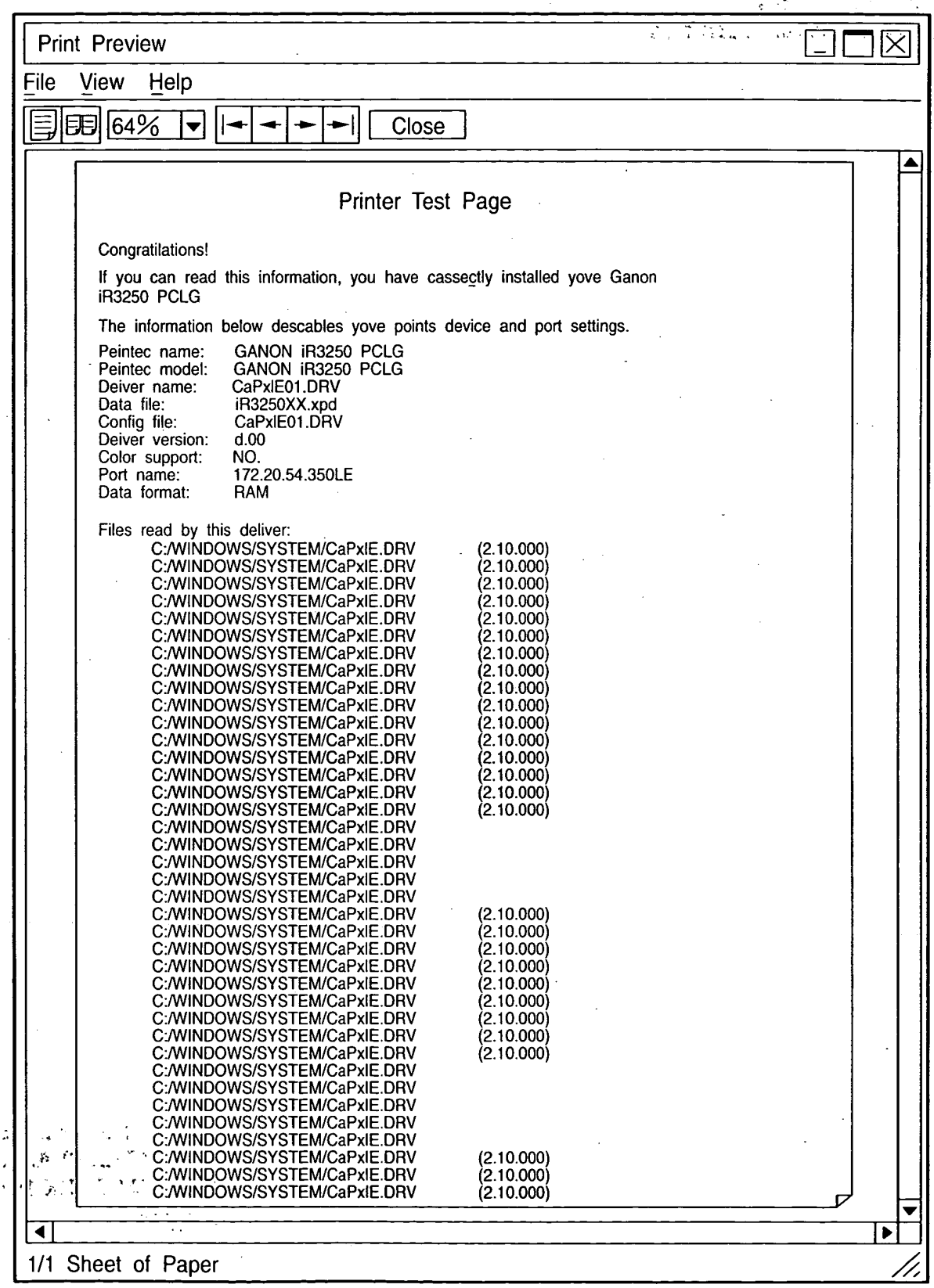

Print Preview
File View Help
64%
Close
Printer Test Page
Congratilations!
If you can read this information, you have cassectly installed yove Ganon iR3250 PCLG
The information below descables yove points device and port settings.
Peintec name: GANON iR3250 PCLG
Peintec model: GANON iR3250 PCLG
Deiver name: CaPxlE01.DRV
Data file: iR3250XX.xpd
Config file: CaPxlE01.DRV
Deiver version: d.00
Color support: NO.
Port name: 172.20.54.350LE
Data format: RAM
Files read by this deliver:
C:/WINDOWS/SYSTEM/CaPxlE.DRV (2.10.000)
1/1 Sheet of Paper

FIG. 22

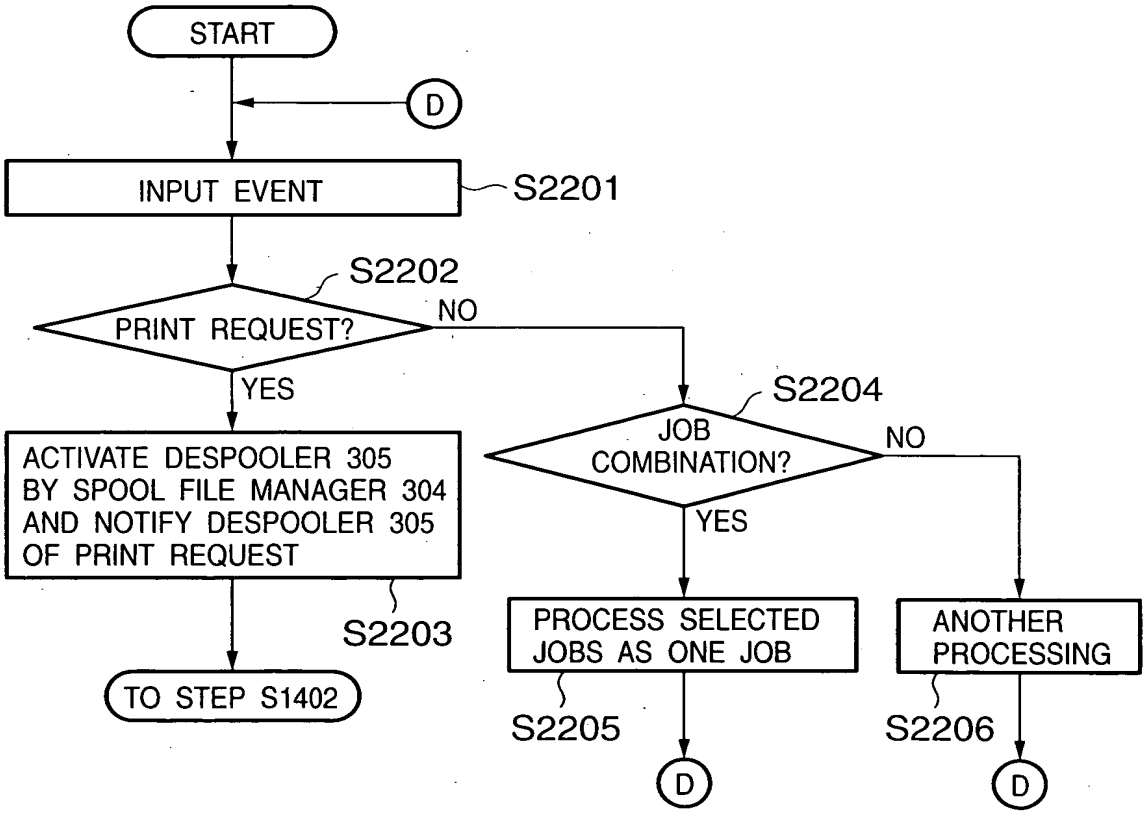
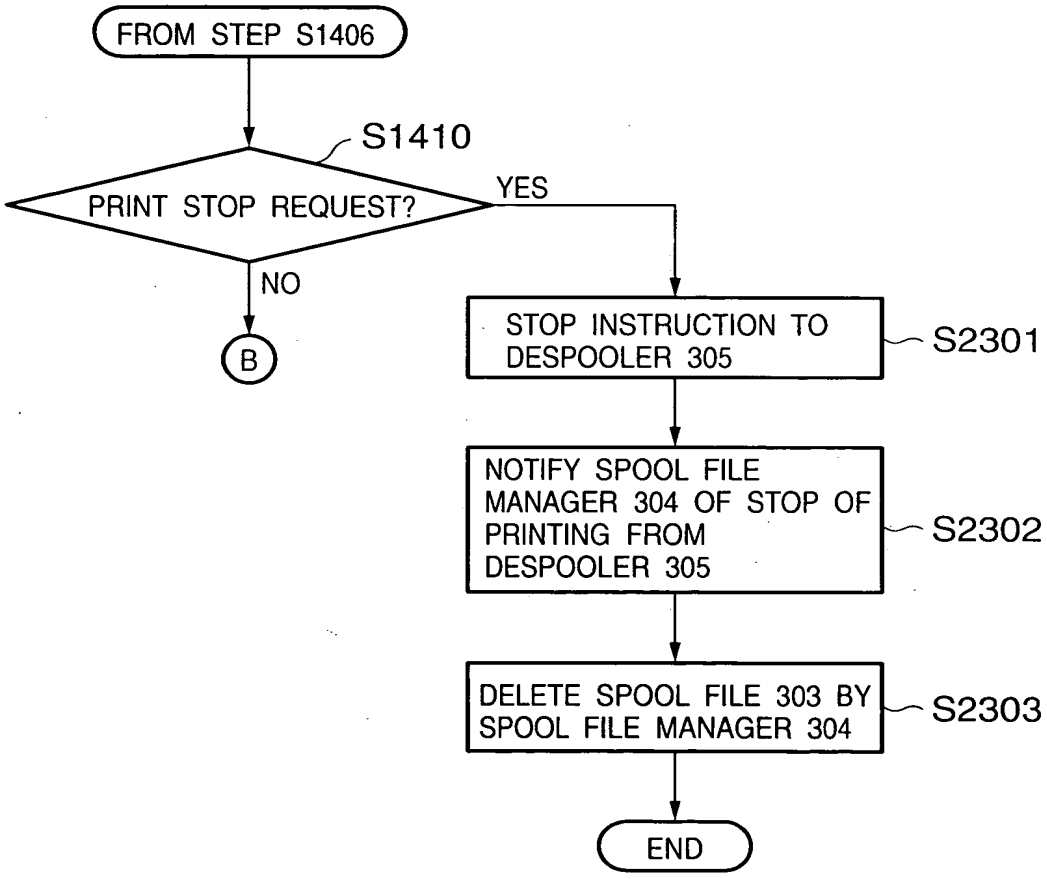

START
D
INPUT EVENT
S2201
S2202
PRINT REQUEST?
NO
YES
ACTIVATE DESPOOLER 305
BY SPOOL FILE MANAGER 304
AND NOTIFY DESPOOLER 305
OF PRINT REQUEST
S2203
TO STEP S1402
S2204
JOB
COMBINATION?
NO
YES
PROCESS SELECTED
JOBS AS ONE JOB
S2205
D
ANOTHER
PROCESSING
S2206
D

FIG. 23


FROM STEP S1406
S1410
PRINT STOP REQUEST?
YES
NO
B
STOP INSTRUCTION TO DESPOOLER 305
S2301
NOTIFY SPOOL FILE MANAGER 304 OF STOP OF PRINTING FROM DESPOOLER 305
S2302
DELETE SPOOL FILE 303 BY SPOOL FILE MANAGER 304
S2303
END